

Human Health Report for Case # P-13-0248

Report Status:

Complete

Status Date:

02/13/2013

CRSS Date:

02/11/2013

SAT Date:

02/12/2013

Health Assessor:**Consolidated PMN?:**

N

Ecotox Related Cases:**Human Health Related Cases:****SAT**

Chair: J. Kwiat

CBI:**Submitter:**

CAS Number: 171611-11-3

Chemical Name: Imidodisulfuryl
fluoride, lithium salt (1:1)**Use:**

Trade
Name: [REDACTED]

PV
- Max(Kg/Yr): [REDACTED]

Physical Chemical Information

Molecular

Weight: [REDACTED]

Wt% < 500:

Melting

Point (Measured): [REDACTED]

Boiling Point (Measured):

Vapor Pressure:

Water Solubility: [REDACTED]

Log Kow:

pH
and/or pKa:

Nanomaterial?

Percent of other substances in PMN formulation:

P2 Rec:

P2

Claim: [REDACTED]

SAT P2 RecComments:

No

Comment

Physical

State - Neat: [REDACTED]

Wt% <
1000:

Melting Point (est):

Boiling Point (est):

Vapor Pressure (est): < [REDACTED]

Water Solubility (est):

Log
P:

Log
P:

SAT Concern Level:

Chemical Category:		
Health Rating (1): 2	Health Rating Comment (1):	
Health Rating (2):	Health Rating Comment (2):	
Dermal: Y	DW: Y	Inh: Y
Other Description (e.g., Ingestion): Routes of Exposure: Dermal Drinking Water Inhalation Health Comments: Exposure Based Review (Health): Y Exposure-Based Testing:		

SAT Keywords:

IRR/CORR E,S,L,MM
BLOOD
THYROID

NEURO
ACUTE
UNCRTN IMMUNO
AQUATOX-A,C

PBT Ratings:

Persistence	Bioaccumulation	Toxicity	Comments
3	1	2	

Fate Information:

Health Summary:

Absorption is nil through the skin, and good through the lung and GI tract, based on physical/chemical properties. There are concerns for irritation/possible corrosion to all exposed tissues and acute toxicity, based on information in the PMN MSDS and submitted test data. There also are concerns for blood and thyroid effects and neurotoxicity, as well as uncertain concern for immunotoxicity, based on submitted test data and lithium.

Test Data Submitted:

Submitted with the PMN:

Salmonella negative with and without activation;
Chromosome aberration
with CHL cells negative with and without activation;
E. coli negative with
and without activation;
Rat repeat dose (28D) oral (gavage) toxicity NOAEL
30 mg/kg (M), 100 mg/kg (F), with signs of neurotoxicity, adverse effects to the
thyroid, and blood toxicity;
Irritating/corrosive to skin in male rabbits
(1hr exposure with occlusive dressing);
Rat (F) acute (15D) oral (gavage)
toxicity LD50 > 50 <= 300 mg/kg

Comments and/or Telephone Log:

Artifact	Update/Upload Time
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